

Having thus described the preferred embodiment, the invention is now claimed to be:

1. A method for decontamination of an aircraft and contents thereof comprising:

removing people from the aircraft;

5 decontaminating the people with a liquid decontaminant capable of reducing the pathogenic activity of at least one of a biological agent and a chemical agent, where present, on skin of the people; and

decontaminating an interior of the aircraft with a peroxy vapor.

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2. The method of claim 1, wherein the peroxy vapor includes hydrogen peroxide.

3. The method of claim 1, wherein the step of removing the people includes:

transferring the people to an enclosure which is isolated from the surrounding environment.

4. The method of claim 3, further including: maintaining the enclosure at a negative pressure during the step of decontaminating the people.

5. The method of claim 3, wherein the step of decontaminating the people includes spraying the people within the enclosure with a decontamination solution.

6. The method of claim 3, wherein the step of transferring the people includes transferring the people through a jet way containment system which interconnects a door of the aircraft and the enclosure, the jet way
5 containment system isolating the people from a surrounding environment.

7. The method of claim 3, wherein the enclosure is a mobile enclosure and the method further includes, prior to the step of removing the people from the aircraft:

5 transporting the mobile enclosure to a location adjacent the aircraft.

8. The method of claim 1, further including:
decontaminating an exterior of the aircraft with a decontaminant solution which is capable of at least one of destroying pathogenic microorganisms and
5 reducing the activity of a pathogenic chemical agent.

9. The method of claim 1, wherein the step of decontaminating the aircraft interior includes:
delivering hydrogen peroxide from a vaporizer to a port on the aircraft, the port being fluidly
5 connected with an air circulation system of the aircraft;
and

circulating the hydrogen peroxide vapor to vents in the aircraft interior with the air circulation system.

10. The method of claim 1, wherein the step of decontamination of the aircraft interior includes:

blowing the peroxy vapor into the interior of the aircraft with a blower.

11. The method of claim 10, further including:
connecting the blower with air circulation system of the aircraft, the blower increasing a rate of flow of the air circulation system.

12. The method of claim 2, further including:
sensing a level of hydrogen peroxide in the aircraft interior and controlling the rate of hydrogen peroxide vapor introduction to the interior to maintain a

5 preselected hydrogen peroxide concentration within the interior.

13. The method of claim 1, further including:
after the step of decontaminating the aircraft interior, aerating the aircraft interior to remove residual peroxy vapor.

14. The method of claim 13, further including:
after the aeration has reduced the peroxy vapor to a level which is below that at which explosion is likely to occur, dehumidifying air entering the interior.

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15. The method of claim 1, further including:
removing luggage from the aircraft; and
decontaminating the luggage.

16. A system for decontamination of a passenger aircraft and people on the aircraft comprising:
an enclosure which receives people from the aircraft;

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a means for decontaminating the people associated with the enclosure; and
a decontamination system configured for selective connection with the aircraft for decontamination of an interior of the aircraft.

17. The system of claim 16, wherein the enclosure is carried by a vehicle for moving the enclosure to a location adjacent an aircraft passenger exit door.

18. The system of claim 16, wherein the means for decontaminating includes a shower head which sprays a microbial decontaminant solution over the people.

19. The system of claim 18, wherein the microbial decontaminant includes peracetic acid.

20. The system of claim 16, wherein the enclosure includes means for maintaining the enclosure at a negative pressure.

21. The system of claim 16, further including a jet way which selectively connects a door of the aircraft with the enclosure, the jet way isolating people from a surrounding environment during transfer from the aircraft to the enclosure.

22. The system of claim 16, wherein the means for decontaminating the people includes:

a source of a decontamination solution which is capable of at least one of destroying pathogenic microorganisms and reducing the activity of a chemical pathogenic agent; and

a shower head located within the enclosure.

23. A system for decontamination of passengers from a vehicle or from within a facility who have been exposed to at least one of pathogenic biological agents and chemical agents comprising:

a mobile enclosure capable of being coupled to an exit door of the vehicle for receiving passengers from the vehicle or facility, the enclosure spacing the received passengers from the surrounding environment; and

a decontaminant delivery system which supplies a decontaminant to the enclosure, the decontaminant being capable of destroying the pathogenic biological or chemical agent, the delivery system including at least one liquid outlet within the enclosure which sprays the decontaminant on the passengers.

24. The system of claim 23, further including:
means for maintaining a negative pressure
within the enclosure.

25. The system of claim 23, further including:
a jet way containment system which selectively
couples the enclosure with the exit door, the jet way
containment system spacing the passengers from the
5 surrounding environment during transfer of the passengers
from the vehicle or facility to the enclosure.